Claims

[1] A drug administration support system comprising:

storing means for storing blood filtering information, biological information and drug information;

calculating means for calculating a total clearance of the drug with due consideration paid to the renal function failure and blood filtering on the basis of the blood filtering information, biological information, and drug information; and displaying means for displaying the obtained total clearance.

[2] A drug administration support system as claimed in claim 1, wherein said calculating means calculates the total clearance of the drug by the following formula:

CLt=k x CLcr+(1-T/100) x Qw x (1-f/100)+CLa

where CLt(ml/min) represents a total clearance during the blood filtering, k and T are constants different for individual drugs, k represents a coefficient for converting from the creatinine clearance to the drug clearance, T represents a protein binding rate of the drug, Qw(ml/min) is the set value in the blood filtering, CLcr(ml/min) represents a renal creatinine clearance, f represents a filter clogging removal efficiency reduction index, and CLa(ml/min) represents a clearance of absorbing the drug to the blood filter.

[3] A drug administration support system as claimed in claim 2, wherein the renal creatinine clearance is calculated from a serum creatinine concentration by the following formula:

 $CLcr=[BW \times (140-Y)/(72 \times Cr)] \times M$

where BW(kg) represents body weight, Y(y.o.) represents an age, Cr(mg/dl) represents a serum creatinine concentration, and M(mg/dl) represents a coefficient (male:1, female:0.85).

- [4] A drug administration support system as claimed in any one of claims 1 to 3, wherein the total clearance of the drug is the sum of the renal clearance of the drug and the blood filtering clearance of the drug.
- [5] A drug administration support system as claimed in any one of claims 1 to 4, wherein said displaying means displays a guideline by a level bar as the indication of the renal creatinine clearance.
- [6] A drug administration support system as claimed in any one of claims 1 to 5, wherein said drug is the renal secretion drug.
- [7] A program operable in a computer, the program comprising the steps of: extracting stored blood filtering information, biological information and drug information from a memory; and

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calculating a total clearance of the drug with due consideration paid to the renal function failure and blood filtering on the basis of the blood filtering information, biological information, and drug information.